

SUBJECT: SOIL EROSION
 CATEGORY: USLE – RELATION TO "T" VALUE
 QUALIFIERS: 1997 CULTIVATED CROPLAND
 REPORTING UNIT: AREA (THOUSANDS OF ACRES)
 GEOGRAPHIC AREA: MISSOURI MAJOR LAND RESOURCE AREA 108

TABLE: SUMMARY OF SHEET AND RILL EROSION IN RELATION TO "T" VALUES ON CULTIVATED CROPLAND BY "T" CATEGORIES FOR MLRA 108

	> T <= 2T	> 2T <= 3T	> 3T <= 4T	>4T <= 5T	> 5T
acres eroding above "t"	25	8	13	5	22
% of total mlra cultivated cropland	16%	5%	8%	3%	14%
% of total mlra cultivated cropland eroding above "t"	34%	11%	18%	7%	30%
% of total state cultivated cropland	<1%	<1%	<1%	<1%	1%
% of total state cultivated cropland eroding above "t"	1%	<1%	<1%	<1%	1%
% of total state cultivated cropland in "t" category	1%	1%	3%	2%	4%

MLRA 108: TOTAL SURFACE AREA = 377
 TOTAL ACRES OF CULTIVATED CROPLAND = 160
 TOTAL ACRES OF CULTIVATED CROPLAND ERODING ABOVE "T" = 73

MISSOURI: TOTAL ACRES OF CULTIVATED CROPLAND = 10513
 TOTAL ACRES OF CULTIVATED CROPLAND ERODING ABOVE "T" = 3928

* USLE – Universal Soil Loss Equation. This equation estimates average annual soil loss from sheet and rill erosion. Location specific data for the field in which the NRI point falls or that portion of the field surrounding the point that would be considered in conservation planning are used in the NRI calculation. "T" Factor – The maximum rate of annual soil erosion that will permit crop productivity to be sustained economically and indefinitely.

DATA SOURCE: 1997 NATIONAL RESOURCES INVENTORY (REVISED DECEMBER2000)

